

**Abstract of the Disclosure**

The invention relates to a method for producing  $\text{Al}_2\text{O}_3/\text{SiC}$  nanocomposite abrasive grains. SiC nanoparticles are added to a sol containing aluminum oxide and said sol is then gelatinized, dried, calcinated and sintered. The invention also relates to  $\text{Al}_2\text{O}_3/\text{SiC}$  nanocomposite abrasive grains.

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